

In the Claims:

1-28. (Canceled)

29. (Currently amended) A method for producing a HS cell depository of immunotyped homozygous stem (HS) cells that are homozygous for the Major Histocompatibility Complex haplotypes from multiple donors comprising:

- (a) selecting donors;
- (b) determining the immunotype of each donor;
- (c) mitotically activating non-fertilized female post-meiosis I diploid germ cells obtained from each donor to develop multiple blastocyst-like masses, each of which contains an inner cell mass (ICM) that is homozygous for a particular immunotype;
- (d) isolating HS cells from the ICM obtained from each donor;
- (e) culturing the isolated HS cells to obtain HS cell lines;
- (f) determining the immunotype of each HS cell line; and
- (g) cataloging the immunotype of each HS cell line obtained in (e).

30. (Canceled)

31. (Previously amended) The method of claim 29, wherein the donors are mammalian.

32. (Original) The method of claim 31, wherein the donors are human.

33. (Original) The method of claim 31, wherein the donors are non-human.